

QUENTIN TSAI (蔡坤哲)

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Github: <https://github.com/q40603>

EDUCATION

National Chiao Tung University (NCTU)	Hsinchu, Taiwan
<i>MSc in Computer Science Cyber Security, expected graduation: June, 2022</i>	Sep 2020 – Present
<ul style="list-style-type: none">Related courses taken : Machine Learning in Network Application, Parallel Programming, Network programming, Secure ProgrammingResearch Interest : In-Vivo Fuzzing for Network Application	
<i>BSc in Computer Science</i>	Sept. 2016 – Jun. 2020
<ul style="list-style-type: none">Related courses taken: Data Mining, Machine Learning, Computer Vision, Financial Engineering, StatisticUndergraduate Thesis : Natural Language Processing Applied In Financial News	
The Affiliated Senior High School of National Taiwan Normal University (師大附中)	Hsinchu, Taiwan
<i>Student at Advanced Physics Class (物理實驗班)</i>	Sept. 2013 – Jun. 2016

RESEARCH EXPERIENCE

NCTU Financial Engineering Lab	Hsinchu, Taiwan
<i>Part-time Research Assistant</i>	Jul. 2018 – Present
<ul style="list-style-type: none">Real time portfolio recommender system aiming at providing market neutral trading strategy : Pairs TradingDeveloped the system with Flask, MongoDB, MySQL, Vue.js, InfluxDB	
Academia Sinica (中央研究院) CFDA & CLIP Lab	Taipei, Taiwan
<i>Summer Intern</i>	Jun. 2018 – Sept. 2018
<ul style="list-style-type: none">Assist in the implementation of financial report knowledge analysis system aiming at: tagging effective entities of sentence by structure prediction and visualizing results by interactive user-friendly website.Skills required : Plotly.js, Semantic UI, FlaskDemo Paper accepted by AAAI 33rd conference	

WORK EXPERIENCE

Getac (神基科技)	Taipei, Taiwan
<i>AI Intern under Global Video Solution Business Unit</i>	Jun. 2020 – Sept. 2020
<ul style="list-style-type: none">Apply MLOps on the AI computer vision product deploymentFinetune the Computer Vision modelSpeed up the Deep Learning Inference Engine with OpenVino IR representationSkills required : Azure, Pytorch, Tensorflow, C++, Python	
Hewlett Packard Enterprise (HPE)	Taipei, Taiwan
<i>Software Engineer Intern at Integration Testing Team</i>	Jun. 2019 – Jun. 2020
<ul style="list-style-type: none">Design an Integration Testing Management dashboardSkills required : Vue.js, MongoDB, Docker	
Umbo Computer Vision (盾心科技)	Taipei, Taiwan
<i>Quality Assurance Engineer Intern</i>	Feb. 2019 – Jun. 2019
<ul style="list-style-type: none">Develop a Dashboard that integrates the worldwide product's status and software service billing statusSkills required : AWS EC2, S2, RDBMS, MongoDB, Python	

TECHNICAL SKILLS

- Programming : C, C++, Python, Vue.js, Node.js
- Container : Docker
- DBMS : MySQL, MongoDB, InfluxDB
- Tool : Git, Unit test, CI, AWS, Azure